In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

Claims 1-11. (canceled).

12. (currently amended) A Bipolar-CMOS-DMOS (BCD) integrated circuit comprising:

a substrate having a first conductivity type;
an epitaxial layer on said substrate and having the
first conductivity type and a conductivity less than a
conductivity of said substrate;

first and second regions in said epitaxial layer each having a second conductivity type opposite the first conductivity type, said first and second regions extending from a surface of said epitaxial layer opposite said substrate into said epitaxial layer to form respective first and second normally reverse-biased junctions therewith;

the first region defining a power section integrated in said epitaxial layer, and the second region defining a signal processing section integrated in said epitaxial layer, at least one of said power section and said signal processing section including at least one of a bipolar transistor and a DMOS transistor;

first and second electrodes for independently
biasing the first and second junctions, respectively; and
an isolating element positioned between said first
and said second regions and extending from the surface of said

epitaxial layer at least as far as a top surface of said substrate for reducing an injection of current through said epitaxial layer from said first region to said second region when the first junction is biased to cause the injection of current, said isolating element comprising a dielectric material adjacent said epitaxial layer and polycrystalline silicon spaced apart from said epitaxial layer by said dielectric material, said isolating element also surrounding said first region on all sides and terminating above a bottom surface of said substrate.

- 13. (canceled).
- 14. (canceled).
- 15. (Previously presented) The Bipolar-CMOS-DMOS (BCD) integrated circuit according to Claim 12 wherein the first conductivity type is P type.
- 16. (Previously presented) The Bipolar-CMOS-DMOS (BCD) integrated circuit according to Claim 12 wherein said power section comprises a power transistor for controlling an inductive load.
- 17. (currently amended) A Bipolar-CMOS-DMOS (BCD) integrated circuit comprising:
 - a substrate having a first conductivity type;

an epitaxial layer on said substrate and having the first conductivity type and a conductivity less than a conductivity of said substrate;

first and second regions in said epitaxial layer each having a second conductivity type opposite the first conductivity type, said first and second regions extending from a surface of said epitaxial layer opposite said substrate into said epitaxial layer to form respective first and second normally reverse-biased junctions therewith;

the first region defining a power section integrated in said epitaxial layer, and the second region defining a signal processing section integrated in said epitaxial layer, at least one of said power section and said signal processing section including at least one of a bipolar transistor and a DMOS transistor;

first and second electrodes for independently biasing the first and second junctions, respectively; and

an isolating element positioned between said first and said second regions and extending from the surface of said epitaxial layer at least as far as a top surface of said substrate for reducing an injection of current through said epitaxial layer from said first region to said second region when the first junction is biased to cause the injection of current, said isolating element partially surrounding at least one of said first and second regions on all sides, said isolating element also terminating above a bottom surface of said substrate.

- 18. (Previously presented) The Bipolar-CMOS-DMOS (BCD) integrated circuit according to Claim 17 wherein said isolating element comprises a dielectric material.
- 19. (Previously presented) The Bipolar-CMOS-DMOS (BCD) integrated circuit according to Claim 18 wherein said isolating element further comprises polycrystalline silicon.
- 20. (Previously presented) The Bipolar-CMOS-DMOS (BCD) integrated circuit according to Claim 17 wherein the first conductivity type is P type.
- 21. (Previously presented) The Bipolar-CMOS-DMOS (BCD) integrated circuit according to Claim 17 wherein said power section comprises a power transistor for controlling an inductive load.

22-31. (canceled).